L Number 1		Search Text (250/389).CCLS.	DB USPAT; EPO; JPO;	Time stamp 2003/05/19	
6	0	((250/389).CCLS.) AND GAS AND PHOTOTUBE.BI.	IBM_TDB USPAT; US-PGPUB;	2003/05/19	12:24
13	0	((250/389).CCLS.) AND PHOTOTUBE.BI.	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/05/19	13:11
			US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
20 21		6477223.pn. and grazing.bi.	USPAT USPAT	2003/05/19 2003/05/19	
22		method and device and planar and beam and	DERWENT	2003/05/19	
2.2	1	radiography and radiation and detector.ti. 2002-352052.NRAN.	DERWENT	2003/05/19	13.11
23 24		francke-tom.in. peskov-vladimir.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/05/19	
31	0	(francke-tom.in. peskov-vladimir.in.) and (graz\$5)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/05/19	13:17
38	3	(francke-tom.in. peskov-vladimir.in.) and photocathode	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/05/19	13:17
-	2	("5635706").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11	09:56
-	881	((313/532) or (313/538) or (313/541) or (313/544) or (313/103R)).CCLS.	IBM_TDB USPAT	2002/12/11	14:17
-	17	francke-tom.in. peskov-vladimir.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09	19:48
_		("5635706").PN.	USPĀT	2002/12/09	
-		5635706.URPN. ("3681606"   "4040900"   "4104516"   "4140900"   "4255666"   "4300046"   "4413280"   "5225670"   "5285061"   "5351279"   "5365056").PN.	USPAT USPAT	2002/12/09 2002/12/09	
-	0	("18 and (graze grazing brush brushing scrape scraping)").PN.	USPAT	2002/12/09	19:04
-	9	(((313/532) or (313/538) or (313/541) or (313/544) or (313/103R)).CCLS.) and (graze grazing brush brushing scrape scraping)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09	19:24
-		3700947.URPN.	USPĀT	2002/12/09	
-		3873829.URPN. (((313/532) or (313/533) or (313/541) or (313/544) or (313/103R)).CCLS.) and angle same photocathode and avalanche	USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/09 2003/05/17	
-	881	((313/532) or (313/538) or (313/541) or (313/544) or (313/103R)).CCLS.	IBM_TDB USPAT	2002/12/09	19:24

-	7	(((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and angle same photocathode and avalanche	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/09 19:24
-	7	(((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and angle same photocathode and avalanche	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:24
-	17	<pre>francke-tom.in. peskov-vladimir.in. and (graze grazing)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/19 13:15
-	17	francke-tom.in. peskov-vladimir.in. and (graze grazing) with photocathode	USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:52
-	0	(francke-tom.in. peskov-vladimir.in.) and (graze grazing) with photocathode	USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:50
-	0	<pre>(francke-tom.in. peskov-vladimir.in.) and (graze grazing)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:50
-	5	<pre>(francke-tom.in. peskov-vladimir.in.) and (angle)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/10 14:09
-	17	francke-tom.in. peskov-vladimir.in. and avalanche	USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:52
-	17	(francke-tom.in. peskov-vladimir.in.) and avalanche	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:52
-	3	(francke-tom.in. peskov-vladimir.in.) and avalanche and photocathode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/09 19:53
-	3	(francke-tom.in. peskov-vladimir.in.) and photocathode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/09 19:53

```
2002/12/10 09:39
                                               USPAT;
40 (US-6472664-$ or US-6462324-$ or
                                               US-PGPUB;
   US-6380674-$ or US-6329753-$ or
                                                EPO
   US-6297489-$ or US-6320181-$ or
   US-6262521-$ or US-6265812-$ or
   US-6198221-$ or US-6169360-$ or
   US-5917282-$ or US-5917281-$ or
   US-5686721-$ or US-5598062-$ or
   US-5581151-$ or US-5568013-$ or
   US-5491380-$ or US-5410211-$ or
   US-5083017-$ or US-4806827-$ or
   US-4523091-$ or US-4431943-$ or
   US-4086487-$ or US-3912522-$ or
   US-3898499-$ or US-3814964-$).did. or
    (US-3825922-$ or US-3760216-$ or
   US-3753023-$ or US-3710125-$ or
   US-3700947-$ or US-3631303-$ or
   US-3573464-$ or US-6477223-$ or
   US-6414317-$ or US-5997713-$ or
   US-4151005-$).did. or (US-20010040937-$ or
   US-20010024484-$).did. or
   (WO-9923859-\$).did.
36 (US-3669550-$ or US-3506868-$ or
                                              USOCR
                                                          2002/12/10 09:39
   US-3433944-$ or US-3387137-$ or
   US-3387162-$ or US-3278751-$ or
   US-3260876-$ or US-3244922-$ or
   US-3243642-$ or US-3243628-$ or
   US-3233140-$ or US-3235765-$ or
   US-3201630-$ or US-3197663-$ or
   US-3183390-$ or US-3066239-$ or
   US-3052797-$ or US-3001098-$ or
   US-2925511-$ or US-2920205-$ or
   US-2867729-$ or US-2866914-$ or
   US-2849635-$ or US-2692341-$ or
   US-2692948-$ or US-2676282-$).did. or
    (US-2617955-$ or US-2537150-$ or
   US-2410822-$ or US-2217860-$ or
   US-2213554-$ or US-2206713-$ or
   US-2177259-$ or US-2107782-$ or
   US-1811024-$ or US-1759915-$).did.
14
   ((US-6472664-$ or US-6462324-$ or
                                               USPAT;
                                                          2002/12/10 09:58
   US-6380674-$ or US-6329753-$ or
                                                US-PGPUB;
   US-6297489-$ or US-6320181-$ or
                                               EPO
   US-6262521-$ or US-6265812-$ or
   US-6198221-$ or US-6169360-$ or
   US-5917282-$ or US-5917281-$ or
   US-5686721-$ or US-5598062-$ or
   US-5581151-$ or US-5568013-$ or
   US-5491380-$ or US-5410211-$ or
   US-5083017-$ or US-4806827-$ or
   US-4523091-$ or US-4431943-$ or
   US-4086487-$ or US-3912522-$ or
   US-3898499-$ or US-3814964-$).did. or
   (US-3825922-$ or US-3760216-$ or
   US-3753023-$ or US-3710125-$ or
   US-3700947-$ or US-3631303-$ or
   US-3573464-$ or US-6477223-$ or
   US-6414317-$ or US-5997713-$ or
   US-4151005-$).did. or (US-20010040937-$ or
   US-20010024484-$).did. or
   (WO-9923859-\$).did.) and avalanche
   3912522.URPN.
                                               USPAT
                                                           2002/12/10 09:51
0 3912522.URPN.
                                                USPAT
                                                            2002/12/10 09:51
```

```
USPAT;
                                                           2002/12/10 09:59
   ((US-6472664-$ or US-6462324-$ or
   US-6380674-$ or US-6329753-$ or
                                                US-PGPUB;
   US-6297489-$ or US-6320181-$ or
                                                EPO
   US-6262521-$ or US-6265812-$ or
   US-6198221-$ or US-6169360-$ or
   US-5917282-$ or US-5917281-$ or
   US-5686721-$ or US-5598062-$ or
   US-5581151-$ or US-5568013-$ or
   US-5491380-$ or US-5410211-$ or
   US-5083017-$ or US-4806827-$ or
   US-4523091-$ or US-4431943-$ or
   US-4086487-$ or US-3912522-$ or
   US-3898499-$ or US-3814964-$).did. or
    (US-3825922-$ or US-3760216-$ or
   US-3753023-$ or US-3710125-$ or
   US-3700947-$ or US-3631303-$ or
   US-3573464-$ or US-6477223-$ or
   US-6414317-$ or US-5997713-$ or
   US-4151005-$).did. or (US-20010040937-$ or
   US-20010024484-$).did. or
    (WO-9923859-$).did.) and avalanche and
   photocathode
                                                USPAT;
                                                            2002/12/10 10:03
   ((US-6472664-$ or US-6462324-$ or
   US-6380674-$ or US-6329753-$ or
                                                US-PGPUB;
   US-6297489-$ or US-6320181-$ or
                                                EPO
   US-6262521-$ or US-6265812-$ or
   US-6198221-$ or US-6169360-$ or
   US-5917282-$ or US-5917281-$ or
   US-5686721-$ or US-5598062-$ or
   US-5581151-$ or US-5568013-$ or
   US-5491380-$ or US-5410211-$ or
   US-5083017-$ or US-4806827-$ or
   US-4523091-$ or US-4431943-$ or
   US-4086487-$ or US-3912522-$ or
   US-3898499-$ or US-3814964-$).did. or
    (US-3825922-$ or US-3760216-$ or
   US-3753023-$ or US-3710125-$ or
   US-3700947-$ or US-3631303-$ or
   US-3573464-$ or US-6477223-$ or
   US-6414317-$ or US-5997713-$ or
   US-4151005-$).did. or (US-20010040937-$ or
   US-20010024484-$).did. or
   (WO-9923859-\$).did.) and avalanche and
    (photocathode secondary adj electrons)
11 ("3020238" | "3278317" | "3294700" |
                                                USPAT
                                                            2002/12/10 10:01
   "3328181" | "3449136" | "3518209" |
   "3520831" | "3607321" | "3740241" |
   "3776745" | "3798114").PN.
                                                            2002/12/10 10:01
0 3912522.URPN.
                                               USPAT
11 ("3020238" | "3278317" | "3294700" |
                                                           2002/12/10 10:01
                                               USPAT
    "3328181" | "3449136" | "3518209" |
   "3520831" | "3607321" | "3740241" |
   "3776745" | "3798114").PN.
```

```
10 ((US-6472664-$ or US-6462324-$ or
                                                     USPAT;
                                                                 2002/12/10 10:14
       US-6380674-$ or US-6329753-$ or
                                                     US-PGPUB;
       US-6297489-$ or US-6320181-$ or
                                                     EPO
       US-6262521-$ or US-6265812-$ or
       US-6198221-$ or US-6169360-$ or
       US-5917282-$ or US-5917281-$ or
       US-5686721-$ or US-5598062-$ or
        US-5581151-$ or US-5568013-$ or
       US-5491380-$ or US-5410211-$ or
       US-5083017-$ or US-4806827-$ or
       US-4523091-$ or US-4431943-$ or
       US-4086487-$ or US-3912522-$ or
       US-3898499-$ or US-3814964-$).did. or
        (US-3825922-$ or US-3760216-$ or
       US-3753023-$ or US-3710125-$ or
       US-3700947-$ or US-3631303-$ or
       US-3573464-$ or US-6477223-$ or
       US-6414317-$ or US-5997713-$ or
        US-4151005-$).did. or (US-20010040937-$ or
       US-20010024484-$).did. or
        (WO-9923859-$).did.) and avalanche and
        (photocathode secondary adj electrons)
                                                     USPAT;
                                                                 2002/12/10 10:14
       ((US-6472664-$ or US-6462324-$ or
       US-6380674-$ or US-6329753-$ or
                                                     US-PGPUB;
       US-6297489-$ or US-6320181-$ or
                                                     EPO
       US-6262521-$ or US-6265812-$ or
       US-6198221-$ or US-6169360-$ or
       US-5917282-$ or US-5917281-$ or
       US-5686721-$ or US-5598062-$ or
       US-5581151-$ or US-5568013-$ or
       US-5491380-$ or US-5410211-$ or
       US-5083017-$ or US-4806827-$ or
       US-4523091-$ or US-4431943-$ or
       US-4086487-$ or US-3912522-$ or
        US-3898499-$ or US-3814964-$).did. or
        (US-3825922-$ or US-3760216-$ or
       US-3753023-$ or US-3710125-$ or
        US-3700947-$ or US-3631303-$ or
        US-3573464-$ or US-6477223-$ or
        US-6414317-$ or US-5997713-$ or
        US-4151005-$).did. or (US-20010040937-$ or
       US-20010024484-$).did. or
        (WO-9923859-$).did.) and avalanche and
        (photocathode CSI)
                                                                 2002/12/10 11:06
 66108 (313/$).CCLS.
                                                     USPAT;
                                                     EPO; JPO;
                                                     DERWENT;
                                                     IBM TDB
                                                                 2002/12/10 11:06
157760 \quad ((313/\$) \text{ or } (250/\$)).CCLS.
                                                     USPAT;
                                                     EPO; JPO;
                                                     DERWENT;
                                                     IBM TDB
                                                                 2002/12/10 11:07
     1 photocathode same (graze grazing) and
                                                     USPAT;
                                                     US-PGPUB;
        avalanche
                                                     EPO; JPO;
                                                     DERWENT;
                                                     IBM TDB
                                                                 2002/12/10 13:18
                                                     USPĀT;
    21 photocathode same (graze grazing angle)
                                                     US-PGPUB;
       and avalanche
                                                     EPO; JPO;
                                                     DERWENT;
                                                     IBM TDB
     2 ("4339659").PN.
                                                     USPAT;
                                                                 2002/12/10 13:00
                                                     US-PGPUB;
                                                     EPO; JPO;
                                                     DERWENT;
                                                     IBM TDB
                                                     USPĀT
     6 4339659.URPN.
                                                                 2002/12/10 12:44
     2 4608519.URPN.
                                                     USPAT
                                                                 2002/12/10 12:48
       ("3188467" | "3333133" | "4131818" |
                                                    USPAT
                                                                 2003/05/16 18:59
        "4339659").PN.
```

Search History 5/19/03 1:23:49 PM Page 5 C:\APPS\east\workspaces\09698174.wsp

-	2	("4608519").PN.	USPAT; US-PGPUB; EPO; JPO;	2002/12/10 13:00
-	6	photoconductor same (graze grazing angle) and avalanche not (photocathode same (graze grazing angle) and avalanche)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 13:50
-	7	(photoconductor photocathode) same (graze grazing angle) and avalanche and readout	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 13:56
-	2	("3912522").PN.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/10 13:56
-	11	("3020238"   "3278317"   "3294700"   "3328181"   "3449136"   "3518209"   "3520831"   "3607321"   "3740241"	IBM_TDB USPAT	2002/12/10 14:03
-	2	"3776745"   "3798114").PN. (francke-tom.in. peskov-vladimir.in.) and (angle) and (photocathode photoconductor) and readout	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/10 15:46
-	67712	(313/\$).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/10 15:46
-	20	((313/ $\$$ ).CCLS.) and cesium adj antimony with metal	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/10 15:53
-	1	((313/ $\$$ ).CCLS.) and cesium adj antimony with metal same opaque	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 15:54
-	2	((313/ $\$$ ).CCLS.) and (cesium adj antimony CsI)same opaque	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 15:55
-	2	((313/\$).CCLS.) and (cesium adj antimony CsI) same opaque	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/10 17:38
-	2	((313/\$).CCLS.) and avalanche adjamplifier	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 17:38
-	351	((313/\$).CCLS.) and avalanche	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/10 19:02
-	10	((313/\$).CCLS.) and photocathode with mm same (improve\$5 advant\$6)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/10 19:05

_	24	((313/\$).CCLS.) and photocathode with	USPAT;	2002/12/10 19:21
	2 1	(micron "mu.m") same (improve\$5 advant\$6)	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
-	2	((313/\$).CCLS.) and CsI with (millimeters mm micron "mu.m") same (improve\$5 advant\$6)	USPĀT; US-PGPUB; EPO; JPO;	2002/12/10 19:22
			DERWENT; IBM TDB	
-	0	<pre>photocathode with (mm micron mil "mu.m" millimeter) with (CsI) with (advant\$6 benef\$6 improv\$6)</pre>	USPAT; US-PGPUB; EPO; JPO;	2002/12/11 09:58
			DERWENT;	
	2	what and had with (my minum mil Hyu mil	IBM_TDB	2002/12/11 09:58
-	2	photocathode with (mm micron mil "mu.m" millimeter) with (CsI) same (advant\$6	USPAT; US-PGPUB;	2002/12/11 09:36
		benef\$6 improv\$6)	EPO; JPO;	
			DERWENT; IBM TDB	
_	3	photocathode with (mm micron mil "mu.m"	USPĀT;	2002/12/11 10:00
		millimeter) same (CsI) same (advant\$6 benef\$6 improv\$6)	US-PGPUB; EPO; JPO;	
		benera improvady	DERWENT;	
	6	photocathode same (mm micron mil "mu.m"	IBM_TDB USPAT;	2002/12/11 10:00
_	0	millimeter) same (CSI) same (advant\$6	US-PGPUB;	2002/12/11 10.00
		benef\$6 improv\$6) not (photocathode with	EPO; JPO;	
		<pre>(mm micron mil "mu.m" millimeter) same (CsI) same (advant\$6 benef\$6 improv\$6))</pre>	DERWENT; IBM TDB	
_	881	((313/532) or (313/538) or (313/541) or	USPĀT	2002/12/11 10:06
_	0	(313/544) or (313/103R)).CCLS. (photocathode with (mm micron mil "mu.m"	USPAT;	2002/12/11 10:06
		millimeter) with (CsI) with (advant\$6	US-PGPUB;	
		<pre>benef\$6 improv\$6)) and collimator same (advanta\$6 improve\$6 gain\$5 benefi\$5)</pre>	EPO; JPO; DERWENT; IBM TDB	
_	6	(((313/532) or (313/538) or (313/541) or	USPAT;	2002/12/11 10:09
		(313/544) or (313/103R)).CCLS.) and collimator same (advanta\$6 improve\$6	US-PGPUB; EPO; JPO;	
		gain\$5 benefi\$5)	DERWENT; IBM TDB	
_	0	(((313/532) or (313/538) or (313/541) or	USPAT;	2002/12/11 10:09
		(313/544) or (313/103R)).CCLS.) and	US-PGPUB;	
		collimator adj window	EPO; JPO; DERWENT;	
			IBM_TDB	0000/10/10 10 10
_	13	(((313/532) or (313/538) or (313/541) or (313/544) or (313/103R)).CCLS.) and	USPAT; US-PGPUB;	2002/12/11 10:12
		collimator	EPO; JPO;	
			DERWENT; IBM TDB	
_	67712	(313/\$).CCLS.	USPAT;	2002/12/11 10:13
			US-PGPUB; EPO; JPO;	
			DERWENT;	
	63310	(212/2), 007.0	IBM_TDB	2002/12/11 10:12
_	6//12	(313/\$).CCLS.	USPAT; US-PGPUB;	2002/12/11 10:13
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	942	((313/\$).CCLS.) and photocathode	USPĀT; US-PGPUB;	2002/12/11 10:13
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

-	17	(((313/\$).CCLS.) and photocathode) and collimator not $((((313/532)  or  (313/538)  or  (313/541)  or  (313/103R)).CCLS.)$ and collimator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 10:13
_	17	(((313/\$).CCLS.) and photocathode) and collimator not $((((313/532)  or  (313/538)  or  (313/541)  or  (313/103R)).CCLS.)$ and collimator)	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 10:22
-	2	("5940163").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 10:23
-	1096	<pre>photocathode and (x-ray ionizing adj radiation)</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 10:23
-	134	(photocathode and (x-ray ionizing adjradiation)) and collimator	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 10:28
-	36	<pre>(photocathode and (x-ray ionizing adj radiation)) and collimator with (advant\$6 prevent\$5 improve\$5 benef\$6 gain\$5 scatter)</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 13:28
-	20	planar adj beam adj radiography and x-ray	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:29
-	148	planar adj beam and x-ray	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:30
-	5	planar adj beam and x-ray and photocathode	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:30
-	5	planar adj beam and x-ray and photocathode	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:31
-	1052	x-ray and photocathode	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:31
-	5	(x-ray and photocathode) and planar adj beam	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:39
-	2	("4339659").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 13:39
-	881	((313/532) or (313/538) or (313/541) or	IBM_TDB USPĀT	2002/12/11 14:18
-	881	(313/544) or (313/103R)).CCLS. ((313/532) or (313/538) or (313/541) or (313/544) or (313/103R)).CCLS.	USPAT	2002/12/11 14:18
		(010,011, 01 (010)1000),		

-	37	(((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and X-ray and image	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 14:18
-	1	((((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and X-ray and image) and gas with ionization	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:19
-	17	((((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and X-ray and image) and gas	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11 14:22
-	3	((((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CLS.) and X-ray and image) and avalanche and gas	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:45
-	0	((((313/532)  or  (313/538)  or  (313/541)  or  (313/544)  or  (313/103R)).CCLS.) and X-ray and image) and avalanche same (liquid fluid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:46
-	7	avalanche same (liquid fluid) and photocathode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:56
-	7	(avalanche same (liquid fluid) and photocathode) and (liquid fluid)	USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:48
-	7	(avalanche same (liquid fluid) and photocathode) and (liquid fluid) same avalanche	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:50
-	0	(avalanche same (liquid fluid) and photocathode) and (liquid fluid) and avalanche not ((avalanche same (liquid fluid) and photocathode) and (liquid fluid) same avalanche)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:50
· <u> </u>	10	avalanche same dielectric and photocathode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:57
-	10	(avalanche same dielectric and photocathode) and dielectric	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 14:57
-	10	(avalanche same dielectric and photocathode) and dielectric same avalanche	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 15:02
-	10	(avalanche same dielectric and photocathode) and avalanche	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11 15:02
-	102	avalanche and photocathode and x-ray	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/11 15:03

19   "3668473"   "3699375"   "3778657"   USPAT   USPAT   2002/12/11   "3879626"   "4015159"   "4020376"   USPAT   US	1 15:21
- 9 5066248.URPN 56 (avalanche and photocathode and x-ray) and avalanche and array - 4 ("5308987"   "5349194"   "5602397"   USPAT; US-PCPUB; EPO, JPO; DERMENT; IBM TDB - 4 (avalanche and photocathode and x-ray) and avalanche and array and cathode and anode avalanche and array and cathode and anode anode - 10 avalanche adj cathode and avalanche adj anode - 10 avalanche adj cathode and avalanche adj anode - 25 ("4075491"   "4166957"   "4253024"   USPAT; US-PCPUB; EPO, JPO; DERMENT; IBM TDB - 25 ("4075491"   "4166957"   "4639941"   USPAT USPAT; USPACPUB; EPO; JPO; DERMENT; IBM TDB USPAT; US	1 15:05
avalanche and array	1 15:07
- 4 ("5308987"   "5349194"   "5602397"   USPĀT 2002/12/11  - 24 (avalanche and photocathode and x-ray) and avalanche and array and cathode and anode EPO; JPO; DERWENT; IBM TDB  - 10 avalanche adj cathode and avalanche adj USPĀT; US-PCPUB; EPO; JPO; DERWENT; IBM TDB  - 25 ("4075491"   "4166957"   "4253024"   USPĀT; US-PCPUB; EPO; JPO; DERWENT; IBM TDB  - 25 ("4075491"   "4166957"   "4639941"   USPĀT 2002/12/11  - 4707607"   "4719354"   "5099846"   "5347130"   "5391877"   "5399846"   "5514722"   "5644610"   "595302"   "6000739"   "6011265"   "6118125"   "6207958"   "6385282").PN.  - 2 ("5614722").PN.  - 3 ("1182 and substrate same (improv\$5 advantag\$5 benef\$5 gain\$5)").PN.  - 4 ("5614722").PN.) and substrate same  - 5 ("5614722").PN.) and substrate same - 6 ("1182 advantag\$5 benef\$5 gain\$5)").PN.  - 5 ("5614722").PN.  - 6 ("5614722").PN.) and substrate same - 7 ("5614722").PN.) and substrate same - 8 ("5614722").PN.  - 1 ("5614722").PN 1 ("7614722").PN 2 ("5614722").PN 3 ("5614722").PN 4 ("5614722").PN 5 ("5614722").PN 5 ("5614722").PN 5 ("5614722").PN 1 ("5614722").PN 1 ("5614722").PN 2 ("5614722").PN 3 ("5614722").PN 4 ("5614722").PN 5 ("5614722").P	1 15:53
avalanche and array and cathode and anode	1 15:29
- 10 avalanche adj cathode and avalanche adj USPĀT; 2002/12/11 anode USPĀT; 2002/12/11 USPĀT 2002/12/11 unode EPO; JPO; DERWENT; IBM_TDB USPĀT 2002/12/11 "4469947"   "4629467"   "4629467"   "439941"   "4707607"   "4719354"   "5399484"   "5347130"   "5391877"   "5398684"   "5402462"   "54144622"   "5521956"   "6207958"   "6317482"   "6373065"   "6207958"   "6337482"   "6373065"   "6385282").PN.  - 2 ("5614722").PN.  - 3 ("1182 and substrate same (improv\$5 USPĀT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; 2002/12/11 USPĀT 2002/12/11 US	1 16:18
"4469947"   "4622467"   "4639941"   "4707607"   "4719354"   "5099846"   "547130"   "5391877"   "5598684"   "5402462"   "5414622"   "5521956"   "6000739"   "6011265"   "6118125"   "6207958"   "6337482"   "6373065"   "6385282").PN.  2 ("5614722").PN.  0 ("1182 and substrate same (improv\$5	1 16:46
- 2 ("5614722").PN. USPAT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM TDB  - 0 ("1182 and substrate same (improv\$5 USPAT; 2002/12/11 advantag\$5 benef\$5 gain\$5)").PN. US-PGPUB; EPO; JPO; DERWENT; IBM TDB  - 1 (("5614722").PN.) and substrate same USPAT; 2002/12/11 (improv\$5 advantag\$5 benef\$5 gain\$5) US-PGPUB; EPO; JPO; DERWENT; IBM TDB  - 2 ("5614722").PN. USPAT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM TDB  - 2 ("5614722").PN. USPAT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM TDB  - 1 "4376892".PN. USPAT 2002/12/11 - 9 5614722.URPN. USPAT 2002/12/11	1 16:19
- 0 ("1182 and substrate same (improv\$5 USPAT; 2002/12/11 advantag\$5 benef\$5 gain\$5)").PN. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 1 (("5614722").PN.) and substrate same USPAT; 2002/12/11 (improv\$5 advantag\$5 benef\$5 gain\$5) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 2 ("5614722").PN. USPAT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 1 "4376892".PN. USPAT 2002/12/11 USPAT 2002/12/11 PSPAT 2002/12/11 USPAT 2002/12/11 USPAT 2002/12/11 USPAT 2002/12/11 PSPAT 200	1 16:46
- 1 "4376892".PN. and substrate same USPAT; 2002/12/11 - 1 "4376892".PN. USPAT 2002/12/11 - 2 ("5614722.URPN. USPAT 2002/12/11 - 3 5614722.URPN. USPAT 2002/12/11 - 2 5614722.URPN. USPAT 2002/12/11 - 2 2002/12/11 - 2002/12/11 - 2002/12/11	1 16:46
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 1 "4376892".PN. USPAT 2002/12/11 - 9 5614722.URPN. USPAT 2002/12/11	1 17:14
- 9 5614722.URPN. USPAT 2002/12/11	1 17:27
* ****	
- 0 ("photocathode with (mm micron "mu.m" USPAT; 2002/12/11 nm)").PN. US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
- 434 photocathode with (mm micron "mu.m" nm) USPAT; 2002/12/11 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	1 17:28

2021/12/11 18:00						
- 1048 (cesium and antimony) with metal USPAT; USPATGRUS; PRO JPC) DPC	-	29	•	US-PGPUB; EPO; JPO; DERWENT;	2002/12/11	18:00
- 9543 cesium with metal USPĀT; 2002/12/11 18:03 US-RCPUB; EPC; FPC; FPC; FPC; FPC; FPC; FPC; FPC; F	-	1048	(cesium and antimony) with metal	USPĀT; US-PGPUB; EPO; JPO;	2002/12/11	18:01
18M TDB   180	-	9543	cesium with metal	USPĀT; US-PGPUB; EPO; JPO;	2002/12/11	18:03
TIM TOB	-	17783	antimony with metal	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	18:05
TEM_TDB	-	17783	antimony with metal	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	18:58
BM TDB   USPĀT;   U	-	90	liquid with avalanche	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:04
- 3 ("3,118,130").PN. USPĀT; 2002/12/11 19:03 USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 2002/12/11 19:06 USPĀT; 2002/12/11 20:06 USPĀT; USPĀT; 2002/12/11 20:06 USPĀT; USPĀT; USPĀT; 2002/12/11 21:05 USPĀT; USPĀ	-	9	3,118,130	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:03
IBM_TDB   USPAT;   2002/12/11 19:06   USPAT;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   USPAT;   USPAT;   EPO; JPO;   DERWENT;   IBM_TDB   EPO; JPO;   DERWENT;   IBM_TDB   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   USPAT	-	3	("3,118,130").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:03
Table   Tabl	_	37	avalanche and liquid with (amplif\$8)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:06
BM_TDB	-	16480	avalanche	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:06
- 37 avalanche and liquid with (amplif\$8) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 2070624 liquid (argon xenon) with temperature USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 2 ("4493096").PN. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	37	avalanche and liquid with (amplif\$8)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	19:06
TDB	-	37	avalanche and liquid with (amplif\$8)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	20:06
IBM_TDB - 2 ("4493096").PN. USPAT; 2002/12/11 20:23 US-PGPUB; EPO; JPO; DERWENT;	-	2070624	liquid (argon xenon) with temperature	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/12/11	21:05
	-	2	("4493096").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/12/11	20:23

-	2	("5692507").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11	20:29
-	1	(("5692507").PN.) and collimator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/11	20:29
-	0	(("5692507").PN.) and collimator same (advant\$6 improv\$6 benef\$6 preven\$5 gain\$5)	USPAT;		